

Precision 2.4mm Female to N Female Adapter



PE5165

Configuration

- 2.4mm Female Connector 1
- N Female Connector 2
- 50 Ohms Impedance

- Precision Design
- Straight Body Geometry

Features

- Max VSWR of 1.15:1 up to 18 GHz
- 2.4mm interface compliant with MIL-STD-348B

- Type N interface compliant with MIL-STD-348B
- Gold over Nickel over Copper Plated Beryllium Copper Contact

Applications

- Allows Connection Between Series
- General Purpose Test

- Precision Test & Measurement

Description

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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
Impedance		50		Ohms
VSWR			1.15:1	
Insertion Loss			0.13	dB
Operating Voltage (AC)			150	Vrms
Dielectric Withstanding Voltage (AC)			500	Vrms
Insulation Resistance	5,000			MOhms

Mechanical Specifications

Size

Length	1.26 in [32.11 mm]
Width	0.51 in [13.00 mm]
Height	0.51 in [13.00 mm]
Weight	0.05 lbs [22.68 g]

Description	Connector 1	Connector 2
Interface Specification	MIL-STD-348B	MIL-STD-348B
Mating Cycles, Min	500	500
Mating Torque	7.08 to 9.74 in-lbs 0.80 to 1.10 Nm	6 to 10 in-lbs 0.68 to 1.13 Nm
Contact Captivation Axial Force, Min	4.5 lbs [2.04 kg]	6.3 lbs [2.86 kg]
Coupling Proof Torque	15 in-lbs [1.7 Nm]	15 in-lbs [1.7 Nm]

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Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	2.4mm Female		N Female	
Contact	Beryllium Copper	Gold over Nickel over Copper	Beryllium Copper	Gold over Nickel over Copper
Body	Passivated Stainless Steel		Passivated Stainless Steel	

Environmental Specifications

Temperature

Operating Range

-65 to +165 °C

Humidity

MIL-STD-202, Method 206

Thermal Shock

MIL-STD-202, Method 107, Condition B

Salt Spray

MIL-STD-202, Method 101, Condition B

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Precision 2.4mm Female to N Female Adapter from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Precision 2.4mm Female to N Female Adapter PE5165](#)

URL: <https://www.pasternack.com/precision-2.4mm-female-to-n-female-adapter-pe5165.html>

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to implement improvements. Pasternack Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PE5165 CAD Drawing
Precision 2.4mm Female to N Female Adapter

